SYSTEMS SOFTWARE ENGINEER POSITION DESCRIPTION

Duties and Responsibilities

• Interpret written business requirements and technical specification documents
• Investigate, analyse and apply various software design patterns and algorithms to design
• Effectively implement design, perform maintenance programming and correction of identified defects
• Create, document, and implement test plans, scripts, test harnesses and technical documentation
• Occasional travel between head office and customer sites

Skills / Attributes Required

• Strong algorithm design and analysis background
• Computer Science (Hons) degree or equivalent qualification
• Knowledge in various software design patterns
• Knowledge in Test Driven Design
• Strong native C++ Windows and Linux systems programming experience
• Ability to work co-operatively in a team environment
• Ability to code software according to published standards and design guidelines
• Flexible attitude, ability to perform under pressure

Highly Desirable skills

• Windows/Linux driver development
• Embedded systems experience
• Knowledge in the following programming languages / software packages
  o Boost libraries
  o CPP Unit
  o C#
  o SQL
  o Visual Studio
  o SVN/Git
  o Scripting languages
  o UML